BHARAT HEAVY ELECTRICALS LIMITED
Corporate R&D. Vikasnagar HYDERABAD–500093

CWC Department

Corrigendum - 1

Name of Work: Construction of RCC machine foundation and retaining wall for spin test rig facility in FML bay area of BHEL R&D Lab complex

Corrigendum 1 to Tender Notice No.: CL 2018-19/0007 Dated:-25/7/18

Sl. No	Description of Work	Revised Estimated Value Approx. (Rounded off) Rs. Lakhs	Revised EMD (Rounded off) Rs.	Cost of Tender document Rs.	Revised Date of Tender opening	Period of completion
1	Construction of RCC machine foundation and retaining wall for spin test rig facility in FML bay area of BHEL R&D Lab complex	18.98 lakhs	37,951/-	No Change	16/08/2018	No Change
	Taxes extra as applicable to be quoted					

Note:

1. Wherever in the tender 09/08/2018 has been given, the same may be read as 16/08/2018.
2. Due to revision in drawings the Unpriced and Price Bid are revised and are as at page no 2-9 of the corrigendum.
3. The revised tender Estimate may be read as Rs.18.98L instead of Rs.17.60L at all the places.
4. The revised EMD may be read as Rs.37,951/- instead of Rs.35,205/- at all the places.
5. Other terms and conditions of the contract remains the same.
6. Vendors are advised to submit the original Tender documents except drawings , Unpriced Bid and price Bid schedules, which will be as per the Corrigendum 1 duly filled signed and stamped.

Sd/-
AGM(CWC)

Revised UNPRICED PRICE BID

SCHEDULE-A

BHARAT HEAVY ELECTRICALS LIMITED
CORP RESEARCH & DEVELOPMENT DIVN
VIKASNAGAR::HYDERABAD500093

Name of the work: Construction of RCC machine foundation and retaining wall for spin test rig facility in FML bay area of BHEL R&D Lab complex Corrigendum 1 to Tender Notice No.: CL 2018-19/0007

Sno	Description of Item of work	Quantity	Unit	Rate	Amount
1	Demolishing cement concrete work of any mix. including disposal of materials within 50 metres lead as directed by the engineer.	3.00	Cu.m		
2	Earth work excavation by mechanical means (Hydraulic excavator) / manual means over areas in foundation trenches or drains not exceeding 30cm in depth.1.50 m in width or 10 sq.m on plan including dressing of the sides and ramming of bottoms, lift upto 1.50 m including getting out the excavated soil and disposal of surplus soil as directed within a lead of 50m in all kinds of soils.	15.00	Cu.m		
3	Earth work excavation by mechanical means (Hydraulic excavator) / manual means over areas in foundation trenches or drains not exceeding 30cm in depth.1.50 m in width or 10 sq.m on plan including dressing of the sides and ramming of bottoms, lift upto 1.50 m including getting out the excavated soil and disposal of surplus soil as directed within a lead of 50m in all kinds of soils. and for excavating in foundations, trenches , or drains not exceeding 1.5 m in width or 10 Sq.m on plan including dressing of sides and ramming of bottom , lift Exceeding 1.5m but not exceeding 3.0M including getting out the excavated soil and disposal of surplus earth as directed with in a lead of 50M in kinds of soil	50.00	Cu.m		
4	Excavation in hard rock or breaking of boulders by only chiseling using necessary machinery / plant required in all depths	30.00	Cu.m		
5	Demolishing RCC work including stacking of steel bars and disposal of unserviceable material within 50 metres lead as directed by the engineer-in-charge.	7.80	Cu.m		
6	Extra for cutting reinforcement bars manually/ by mechanical means in R.C.C. or R.B. work as per direction of Engineer -in -charge	19.80	Sq.m		
7	Disposal of building rubbish / malba / similar unserviceable, dismantled or waste materials by mechanical means, including loading, transporting, unloading to approved municipal dumping ground or as approved by Engineerin-charge, beyond 50 m initial lead, for all leads including all lifts involved	145.80	Cu.m		

8	Providing and laying in position cement concrete of mix 1:4:8 (1 cement: 4 coarse sand: 8 graded stone aggregate 40mm nominal size) excluding the cost of centering , shuttering all works up to plinth level. Cement will be FREE supply. without cost of Cement/steel	31.58	Cu.m		
9	Providing and laying in position machine batched and machine mixed design mix M-30 grade cement concrete for reinforced cement concrete work, using cement content as per approved design mix, including pumping of concrete to site of laying but excluding the cost of centering, shuttering, finishing and reinforcement, including admixtures in recommended proportions as per IS: 9103 to accelerate, retard setting of concrete, improve workability without impairing strength and durability as per direction of Engineer-incharge. All works upto plinth level. (the contractor need to ensure that only river sand is used in the concrete)	114.33	Cu.m		
10	Providing and laying in position specified grade of reinforced cement concrete, excluding the cost of centering, shuttering, finishing and reinforcement - All work up to plinth level : ii) 1:1.5:3 (1 cement : 1.5 coarse sand (zone-III): 3 graded stone. Cement will be free supply. without cost of Cement/steel	11.10	Cu.m		
11	Steel reinforcement for R.C.C. work including straightening, cutting, bending, placing in position and binding all complete up to plinth level with thermo mechanically treated bars (FE 500). Steel will be FREE supply. without cost of Cement/steel	19000.00	Kg		
12	Providing centering and shuttering including strutting, propping, etc.& removal of form work after the specified time as directed by the engineer-in-charge only with steel shuttering (the extent possible usage of wood has to be avoided in construction activities) for raft slab and footings and Machine foundations.	64.94	Sq.m		
13	Providing centering and shuttering including strutting, propping. etc. and removal of form work after specified time as directed by the engineer-in-charge (extent possible usage of wood has to be avoided in the construction activities) using only steel shuttering for walls of any thickness.	99.00	Sq.m		
14	Providing centering and shuttering including strutting and propping, etc and removal of form work after a specified time as directed by the engineer-in-charge(extent possible usage of wood has to avoided in construction activities) using only steel shuttering for pockets in machine foundations.	34.34	Sq.m		

15	Brick masonry in cement mortar 1:6(1 cement: 6 coarse sand) using of Machine moulded brick displayed in office or equivalent quality as directed by the engineer-in-charge in all floors and basement. Cement will be FREE supply. without cost of Cement/steel	16.79	Cu.m		
16	18mm thick cement plaster in two coats under layer 12mm thick cement plaster 1:5(1 Cement :5 Coarse sand) and a top layer 6mm thick cement plaster 1:3 (Cement : 3 Fine sand) finished rough with sponge (Cement will be Free supply) without cost of Cement/steel	111.47	Sq.m		
17	Providing and laying in position cement concrete of 1:2:4 (1 cement :2 coarse sand: 4 graded stone aggregate 20mm nominal size) excluding the cost of centering , shuttering All works up to plinth level. Cement will be FREE supply. without cost of Cement/steel	46.24	Cu.m		
18	Providing 52mm thick cement concrete flooring with metallic concrete hardener topping under layer 40mm thick cement concrete 1:2:4 (1cement :2 coarse sand:4 graded stone aggregate 20 mm nominal size) & top layer 12mm thick metallic concrete hardener consisting of mix 1:2 (1cement hardener mix : 2 stone aggregate 6mm nominal size) by volume with metallic hardening compound of approved quality is mixed in the ratio 4 :1 (4parts of cement :1 part of metallic floor hardening compound of approved quality) by weight including cement slurry,rounding off edges and strips etc ,complete. Cement will be FREE supply. without cost of Cement/steel	49.00	Sq.m		
19	Supplying & stacking of morrum at site.	336.00	Cu.m		
20	Filling with available excavated earth (excluding rock) in trenches, plinth, sides of foundations etc.in layers not exceeding 200mm in depth, consolidating each deposited layer by ramming and watering lead up to 50m and lift up to 1.5m.	336.00	Cu.m		
21	Supplying and filling in plinth with river sand under floors, including watering, ramming, consolidating and dressing complete	15.00	Cu.m		
22	Providing and Placing in position suitable PVC water stops conforming to IS:12200 for construction/ expansion joints between two RCC members and fixed to the reinforcement with binding wire before pouring concrete etc. complete , with Serrated with central bulb (225 mm wide, 8-11 mm thick)	44.00	Rmt		

23	Providing and fixing double scaffolding system (cup lock type) on the exterior side, up to seven storey height made with 40 mm dia M.S. tube 1.5 m centre to center, horizontal & vertical tubes joining with cup & lock system with M.S. tubes, M.S. tube challis, M.S. clamps and M.S. staircase system in the scaffolding for working platform etc., and maintaining it in a serviceable condition for the required duration as approved and removing it thereafter. The scaffolding system shall be stiffened with bracings, runners, connection with the building etc wherever required for insepection of work at required locations with essential safety features for the workmen etc. complete as per the directions and approval of Engineer- incharge. The elevation area of the scaffolding shall be measured for payment purpose. The payment will be made once irrespective of duration of scaffolding.	112.00	Sq.m		
24	Welding the reinforcement by electric plant including the cost of all consumables & hire charges of plant and tools and tackles etc, with 8mm thick weld.	400.00	cm		
25	Preparing and testing the concrete cube samples as per IS 456 (a sample consist of 6 concrete cubes) of M 30 grade including transporting the cubes to the testing center as approved by Engineer-in-charge and testing it for seven days and 28 days compressive strength. First sample should be tested and test certificate should be submitted after getting clearance for the RMC plant from Engineer-in-charge. In case of failure second sample need to be tested and approved by BHEL. On the actual day of casting the concrete: Preparing and testing five concrete cube test samples (here sample consist of nine concrete cubes. Six will be tested and three samples collected by contractor will be kept by BHEL for future testing) including transporting the cubes to the testing center on the actual day of casting the concrete, and test certificate need to be submitted to Engineer-in – charge.	42.00	Nos.		

Quote taxes (GST) _____ (%) Extra as applicable (maybe quoted separately for each item if required)

Signature of Contractor (S)

Corrigendum-1 to TENDER NOTICE NO: CL 2018-19/0007 Dated 18/07/18
Construction of RCC machine foundation and retaining wall for spin test rig facility
in FML bay area of BHEL R&D Lab complex

Revised PRICE BID

SCHEDULE-A

BHARAT HEAVY ELECTRICALS LIMITED
CORP RESEARCH & DEVELOPMENT DIVN
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Total Amount Rs._____

Quote taxes (GST) _____ (%) Extra as applicable (maybe quoted separately for each item if required)

TOTAL AMOUNT in Rupees
(in figures and words)in rupees:

GST RATE :

GST AMOUNT:

GRANDTOTAL AMOUNT including GST amount:
(In figures and words)

Signature of Contractor (S)